

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P847494

Luminaire Tested: **GLAN-SB3C-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19768 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

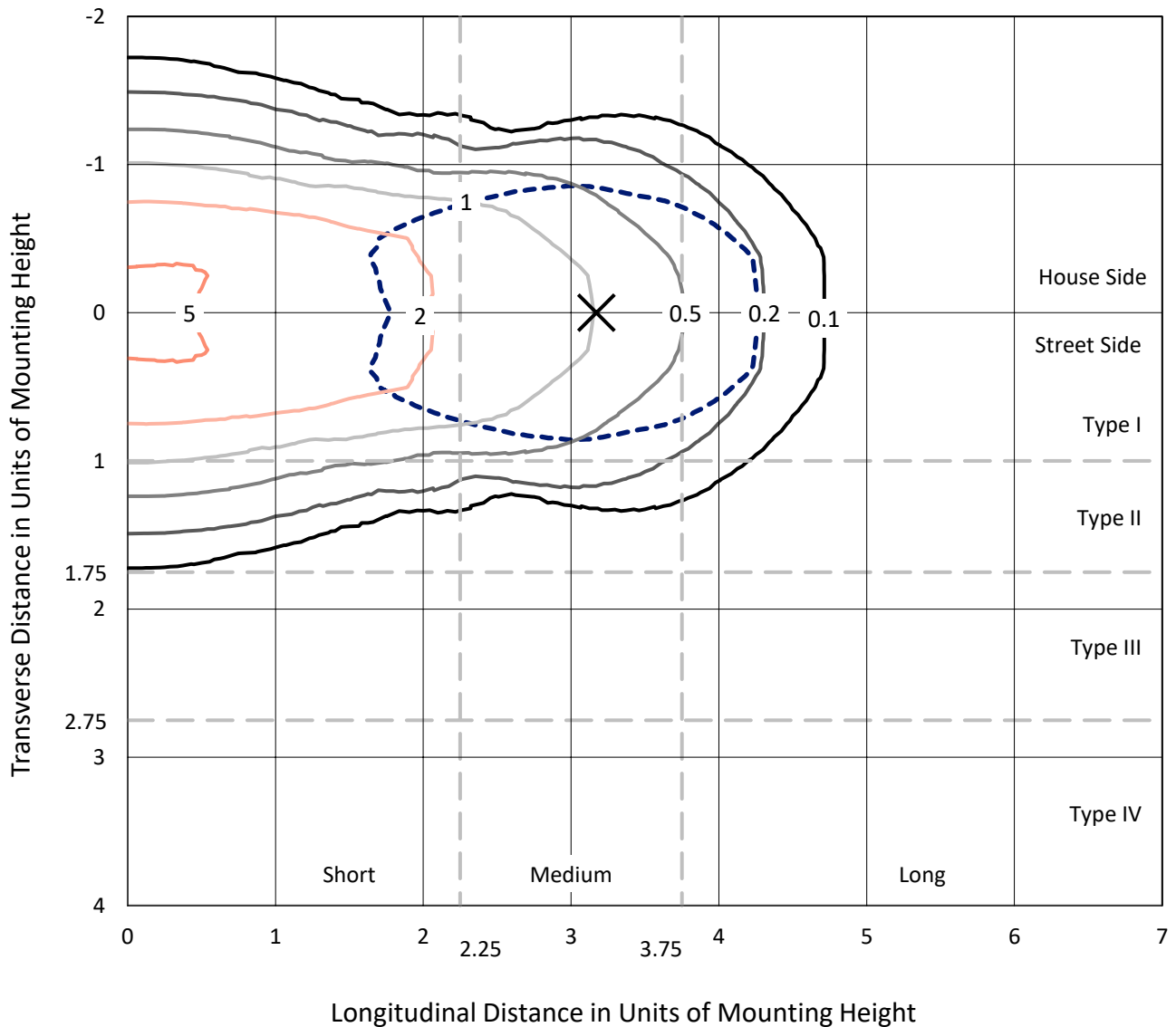
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

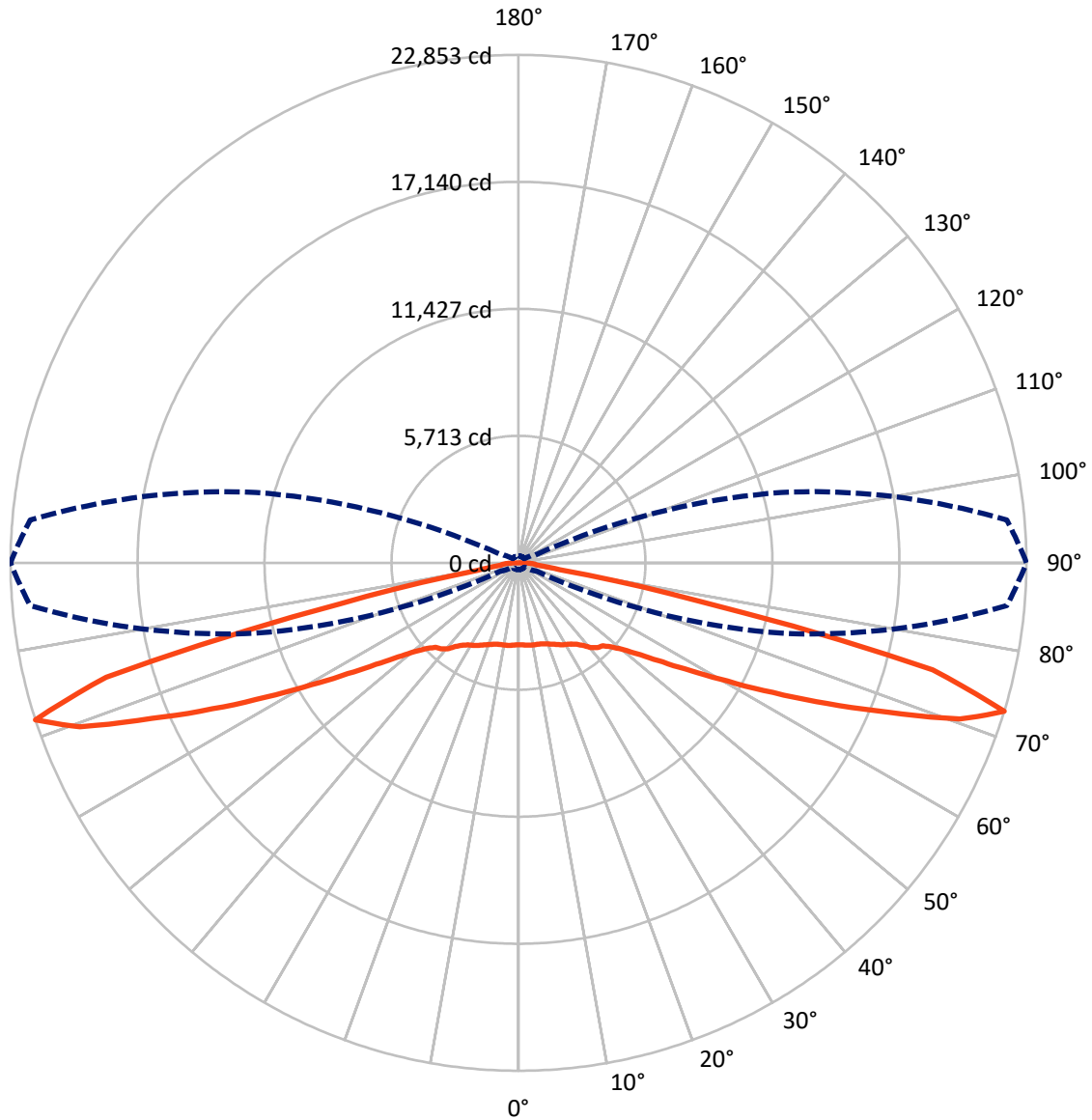
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9884.0	0.0	9884.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9884.0	0.0	9884.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19768.0	0.0	19768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	1.8
10°-20°	1095.1	5.5
20°-30°	1826.0	9.2
30°-40°	2511.3	12.7
40°-50°	3067.0	15.5
50°-60°	3547.4	17.9
60°-70°	4229.6	21.4
70°-80°	2952.0	14.9
80°-90°	181.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19768.0	100.0
0°-180°	19768.0	100.0

Coefficient of Utilization

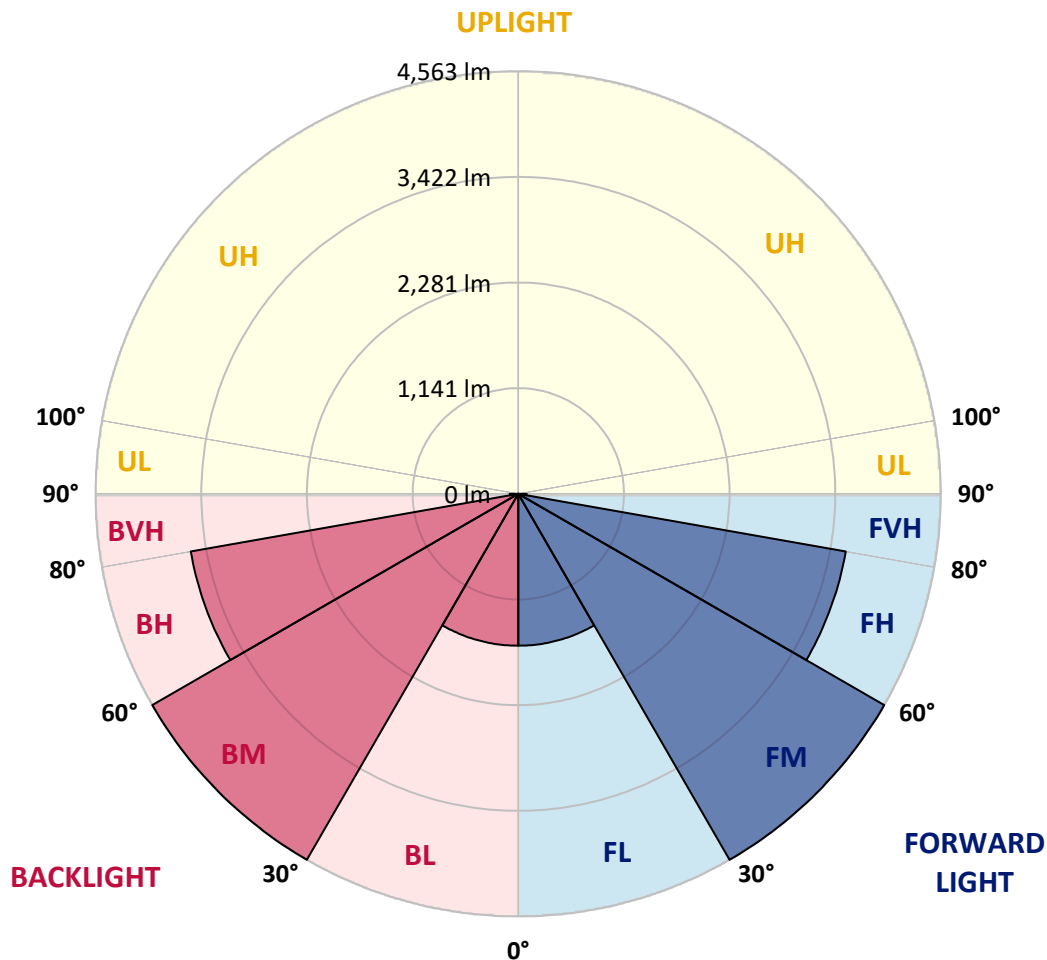


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1639.7	8.3			
FM (30°-60°)	4562.9	23.1			
FH (60°-80°)	3590.8	18.2			G2/5000
FVH (80°-90°)	90.7	0.5			G1/100
BL (0°-30°)	1639.7	8.3	B3/2500		
BM (30°-60°)	4562.9	23.1	B3/5000		
BH (60°-80°)	3590.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	90.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3693.9	3693.9	3693.9	3693.9	3693.9	3693.9	3693.9	3693.9	3693.9	3693.9
2.5°	3697.0	3701.2	3701.2	3698.1	3705.4	3699.1	3699.1	3696.0	3699.1	3696.0
5°	3715.9	3721.2	3723.3	3722.2	3731.7	3726.4	3726.4	3722.2	3723.3	3720.1
7.5°	3751.6	3759.0	3763.2	3768.5	3782.1	3775.8	3771.6	3759.0	3753.7	3745.3
10°	3763.2	3771.6	3785.3	3812.6	3844.1	3845.1	3832.5	3801.0	3776.9	3757.9
12.5°	3727.5	3739.0	3767.4	3823.1	3893.5	3921.8	3901.9	3849.3	3802.1	3768.5
15°	3682.3	3694.9	3738.0	3822.0	3926.0	3992.2	3990.1	3920.8	3845.1	3792.6
17.5°	3611.9	3624.5	3686.5	3804.2	3951.3	4060.5	4089.9	4018.5	3912.4	3842.0
20°	3484.8	3496.3	3582.5	3747.4	3959.7	4133.0	4209.7	4146.7	4014.3	3918.7
22.5°	3319.9	3337.7	3438.6	3649.7	3939.7	4208.6	4346.3	4303.2	4133.0	4000.6
25°	3143.4	3162.3	3279.9	3530.0	3888.2	4263.3	4508.1	4480.7	4267.5	4102.5
27.5°	2991.0	3011.0	3139.2	3411.3	3808.4	4284.3	4667.8	4681.4	4430.3	4214.9
30°	2871.3	2890.2	3026.7	3315.6	3705.4	4263.3	4807.5	4902.0	4596.3	4312.7
32.5°	2739.9	2764.1	2908.0	3199.0	3583.5	4212.8	4929.3	5140.5	4788.6	4417.7
35°	2573.9	2596.0	2747.3	3039.3	3423.9	4132.0	5031.3	5405.3	5063.8	4577.4
37.5°	2372.2	2393.2	2543.5	2839.7	3265.2	4018.5	5109.0	5703.6	5391.6	4807.5
40°	2169.5	2189.4	2330.2	2617.0	3075.1	3873.5	5136.3	5995.7	5767.7	5123.7
42.5°	1983.5	2001.4	2130.6	2397.4	2861.8	3688.6	5100.6	6249.9	6105.0	5344.3
45°	1812.3	1828.0	1942.5	2191.5	2640.1	3463.8	4993.4	6523.1	6506.3	5501.9
47.5°	1616.9	1632.6	1751.3	1991.9	2418.4	3200.1	4811.7	6792.0	7064.1	5859.1
50°	1378.4	1392.0	1513.9	1761.8	2188.4	2919.6	4559.5	7003.2	7768.0	6400.2
52.5°	1095.8	1110.5	1229.2	1477.1	1915.2	2618.1	4227.6	7140.8	8581.2	7190.2
55°	815.3	825.8	928.7	1151.4	1576.9	2274.5	3811.5	7179.7	9503.6	8270.2
57.5°	591.5	597.8	664.0	830.0	1195.6	1844.8	3306.2	7078.8	10601.5	9654.9
60°	479.1	481.2	501.1	574.7	831.0	1359.5	2695.8	6732.2	11792.8	11439.8
62.5°	434.9	434.9	440.2	460.2	562.1	897.2	1957.2	6013.6	13070.3	13695.4
65°	404.5	404.5	406.6	416.0	443.3	571.5	1235.5	4843.2	14147.2	16337.7
67.5°	377.2	378.2	377.2	380.3	396.1	422.3	716.5	3345.1	14727.1	19075.5
70°	348.8	350.9	345.6	345.6	358.2	359.3	448.6	1834.3	14245.9	21370.0
72.5°	315.2	318.3	309.9	307.8	317.3	313.1	337.2	880.4	12230.9	22054.9
75°	285.8	290.0	271.1	265.8	265.8	262.6	274.2	451.8	7938.2	17991.3
77.5°	259.5	267.9	237.4	220.6	216.4	207.0	223.8	276.3	3472.2	8446.7
80°	214.3	225.9	195.4	175.4	168.1	157.6	176.5	193.3	1032.7	1961.4
82.5°	159.7	164.9	138.7	125.0	118.7	111.4	132.4	134.5	336.2	694.4
85°	101.9	104.0	85.1	73.5	70.4	67.2	84.0	73.5	128.2	510.6
87.5°	35.7	41.0	32.6	29.4	31.5	26.3	38.9	22.1	35.7	360.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3693.9
3696.0
3720.1
3745.3
3754.8
3763.2
3784.2
3830.4
3900.8
3976.5
4068.9
4179.2
4261.2
4352.6
4504.9
4710.8
5020.7
5212.0
5323.3
5653.2
6141.7
6871.9
7872.0
9153.8
10808.4
12849.7
15268.2
17920.9
21066.3
22853.4
19243.6
8271.3
1878.4
784.8
741.7
446.5
0.0

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